

# KPDES FORM 1

AE2973

AUG 24 2007

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.  
☐ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☒ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Short Form C

For additional information contact:

KPDES Branch (502) 564-3410

*See attached letter.  
no money  
keid.*

#### I. FACILITY LOCATION AND CONTACT INFORMATION

AGENCY  
USE

0040495

A. Name of business, municipality, company, etc. requesting permit  
Czar Coal Corporation

##### B. Facility Name and Location

Facility Location Name:

Czar Coal Corporation Refuse Fill No. 2

Facility Location Address (i.e. street, road, etc.):

Scaffold Lick Branch

Facility Location City, State, Zip Code:

Davella, KY 41214

##### C. Facility Owner/Mailing Address

Owner Name:

Czar Coal Corporation

Mailing Street:

HC 66, Box 915

Mailing City, State, Zip Code:

Debord, KY 41214

Telephone Number:  
606-789-7655

#### II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc: Project includes the addition of Dry Refuse Fill No. 2 which will utilize an existing sediment control pond (Pond #22). This pond discharge is currently permitted under KYG040138 & KYG041820.

##### B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code &

Description:

1221 - Coal preparation

Other SIC Codes:

#### III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)

B. County where facility is located:

Martin

City where facility is located (if applicable):

N/A

C. Body of water receiving discharge:

Scaffold Lick Branch of Middle Fork of Rockcastle Creek

D. Facility Site Latitude (degrees, minutes, seconds):

37-44-59

Facility Site Longitude (degrees, minutes, seconds):

82-37-30

E. Method used to obtain latitude & longitude (see instructions): Topographic map

F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):

**IV. OWNER/OPERATOR INFORMATION****A. Type of Ownership:**

☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned

**B. Operator Contact Information (See instructions)**

Name of Treatment Plant Operator:

Czar Coal Corporation

Telephone Number:

606-789-7655

Operator Mailing Address (Street):

HC 66, Box 915

Operator Mailing Address (City, State, Zip Code):

Debord, KY 41214

Is the operator also the owner?

Yes ☒ No ☐

Is the operator certified? If yes, list certification class and number below.

Yes ☐ No ☒

Certification Class:

Certification Number:

**V. EXISTING ENVIRONMENTAL PERMITS**

Current NPDES Number:

KY0040495

Issue Date of Current Permit:

02/20/06

Expiration Date of Current Permit:

03/31/11

Number of Times Permit Reissued:

Date of Original Permit Issuance:

Sludge Disposal Permit Number:

Kentucky DOW Operational Permit #:

Kentucky DSMRE Permit Number(s):

880-8002

C. Which of the following additional environmental permit/registration categories will also apply to this facility?

| CATEGORY                                 | EXISTING PERMIT WITH NO. | PERMIT NEEDED WITH<br>PLANNED APPLICATION DATE |
|--|--------------------------|--|
| Air Emission Source                      | S-06-347                 |  |
| Solid or Special Waste                   |                          |  |
| Hazardous Waste - Registration or Permit |                          |  |

**VI. DISCHARGE MONITORING REPORTS (DMRs)**

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

|   |                       |
|---|-----------------------|
| A. Name of department, office or official submitting DMRs:  | Paul Horn             |
| B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.) |                       |
| DMR Mailing Name:   | Czar Coal Corporation |
| DMR Mailing Street:   | HC 66, Box 915        |
| DMR Mailing City, State, Zip Code:  | Debord, KY 41214      |
| DMR Official Telephone Number:  | 606-789-7655          |


## VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

|                        |                      |
|------------------------|----------------------|
| Facility Fee Category: | Filing Fee Enclosed: |
| Major Industry         | \$0.00               |

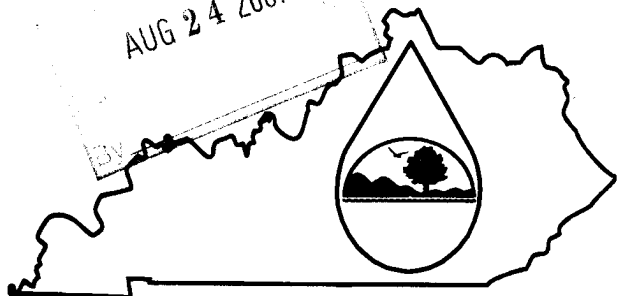
## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

|  |  |
|--|--|
| NAME AND OFFICIAL TITLE (type or print):   | TELEPHONE NUMBER (area code and number): |
| Paul Horn, P.O.A.  | 606-789-7655                             |
| SIGNATURE  | DATE:                                    |
|  | 7/30/2007                                |

# KPDES FORM C

AUG 24 2007



## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

A complete application consists of this form and Form 1.  
For additional information, contact KPDES Branch, (502) 564-3410.

|                                     |  |  |  |                |  |  |  |
|-------------------------------------|--|--|--|----------------|--|--|--|
| Name of Facility: Preparation Plant |  |  |  | County: Martin |  |  |  |
| <b>I. OUTFALL LOCATION</b>          |  |  |  | AGENCY<br>USE  |  |  |  |

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

| Outfall No.<br>(list) | LATITUDE |         |         | LONGITUDE |         |         | RECEIVING WATER (name)      |
|-----------------------|----------|---------|---------|-----------|---------|---------|-----------------------------|
|                       | Degrees  | Minutes | Seconds | Degrees   | Minutes | Seconds |                             |
| 022                   | 37       | 44      | 59      | 82        | 37      | 30      | Scaffold Br. of Middle Fork |
|                       |          |         |         |           |         |         |                             |
|                       |          |         |         |           |         |         |                             |
|                       |          |         |         |           |         |         |                             |

## II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

| OUTFALL NO.<br>(list) | OPERATION(S) CONTRIBUTING FLOW |                                       | TREATMENT                  |                              |
|-----------------------|--------------------------------|---------------------------------------|----------------------------|------------------------------|
|                       | Operation (list)               | Avg/Design<br>Flow<br>(include units) | Description                | List Codes from<br>Table C-1 |
| 022                   | Surface runoff                 | 789 cfs (peak)                        | Sedimentation              | 1-U                          |
|                       |                                |                                       | Discharge to surface water | 4-A                          |
|                       |                                |                                       |                            |                              |
|                       |                                |                                       |                            |                              |
|                       |                                |                                       |                            |                              |
|                       |                                |                                       |                            |                              |
|                       |                                |                                       |                            |                              |
|                       |                                |                                       |                            |                              |

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)**

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (Complete the following table.)

☒ No (Go to Section III.)

| OUTFALL<br>NUMBER | OPERATIONS<br>CONTRIBUTING<br>FLOW | FREQUENCY            |                       | FLOW                  |                  |                                      |                  |                       |
|-------------------|------------------------------------|----------------------|-----------------------|-----------------------|------------------|--------------------------------------|------------------|-----------------------|
|                   |                                    | Days<br>Per Week     | Months<br>Per<br>Year | Flow Rate<br>(in mgd) |                  | Total volume<br>(specify with units) |                  | Duration<br>(in days) |
|                   |                                    |                      |                       | Long-Term<br>Average  | Maximum<br>Daily | Long-Term<br>Average                 | Maximum<br>Daily |                       |
| (list)            | (list)                             | (specify<br>average) | (specify<br>average)  |                       |                  |                                      |                  |                       |
|                   |                                    |                      |                       |                       |                  |                                      |                  |                       |

**III. MAXIMUM PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ Yes (Complete Item III-B) List effluent guideline category:

☒ No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?

☐ Yes (Complete Item III-C)

☐ No (Go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

| MAXIMUM QUANTITY |                  |   | Affected Outfalls<br>(list outfall numbers) |
|------------------|------------------|---|---|
| Quantity Per Day | Units of Measure | Operation, Product, Material, Etc.<br>(specify) |   |
|                  |                  |   |   |

**IV. IMPROVEMENTS**

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐ Yes (Complete the following table)

☒ No (Go to Item IV-B)

| IDENTIFICATION OF CONDITION<br>AGREEMENT, ETC. | AFFECTED OUTFALLS |                     | BRIEF DESCRIPTION OF PROJECT | FINAL COMPLIANCE DATE |           |
|--|-------------------|---------------------|------------------------------|-----------------------|-----------|
|  | No.               | Source of Discharge |                              | Required              | Projected |
|  |                   |                     |                              |                       |           |

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

**V. INTAKE AND EFFLUENT CHARACTERISTICS**

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

| POLLUTANT | SOURCE | POLLUTANT | SOURCE |
|-----------|--------|-----------|--------|
| None      |        |           |        |

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐

Yes (List all such pollutants below)

☒

No (Go to Item VI-B)

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐

Yes (Complete Item VI-C)

☒

No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below)

☒ No (Go to Section VIII)

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?


☒ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)

☐ No (Go to Section IX)

| NAME                        | ADDRESS  | TELEPHONE<br>(Area code & number) | POLLUTANTS<br>ANALYZED (list) |
|-----------------------------|--|-----------------------------------|-------------------------------|
| Microbac Laboratories, INC. | 3323 Gilmore<br>Industrail Blvd.<br>Louisville, KY 40213 | 502-962-6400                      | V-Part C Metals               |
| Blackburn Contracting INC.  | P.O. BOX 992<br>Prestonsburg, KY<br>41653                | 606-886-6864                      | V-Part A                      |

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

|  |  |
|--|--|
| NAME AND OFFICIAL TITLE (type or print):<br>Paul Horn, P.O.A                                     | TELEPHONE NUMBER (area code and number):<br>606-789-7655 |
| SIGNATURE<br> | DATE<br>7/30/2007  |

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

| V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)  |                        |              |   |         |   |      |                          |                                |            |                            | OUTFALL NO. |                         |
|---|------------------------|--------------|---|---------|---|------|--------------------------|--------------------------------|------------|----------------------------|-------------|-------------------------|
| Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. |                        |              |   |         |   |      |                          |                                |            |                            |             |                         |
| 1.<br>POLLUTANT   | 2.<br>EFFLUENT         |              |   |         |   |      |                          | 3. UNITS<br>(specify if blank) |            | 4. INTAKE<br>(optional)    |             |                         |
|   | a. Maximum Daily Value |              | b. Maximum 30-Day Value<br>(if available) |         | c. Long-Term Avg. Value<br>(if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration            | b.<br>Mass | a.<br>Long-Term Avg. Value |             | b.<br>No of<br>Analyses |
|   | (1)                    | (2)          | (1)                                       | (2)     | (1)                                       | (2)  |                          |                                |            | (1)                        | (2)         |                         |
|   | Concentration          | Mass         | Concentration                             | Mass    | Concentration                             | Mass |                          |                                |            | Concentration              | Mass        |                         |
| a. Biochemical Oxygen Demand (BOD)  |                        |              |   |         |   |      |                          |                                |            |                            |             |                         |
| b. Chemical Oxygen Demand (COD)   |                        |              |   |         |   |      |                          |                                |            |                            |             |                         |
| c. Total Organic Carbon (TOC)   |                        |              |   |         |   |      |                          |                                |            |                            |             |                         |
| d. Total Suspended Solids (TSS)   |                        |              |   |         |   |      |                          |                                |            |                            |             |                         |
| e. Ammonia (as N)   |                        |              |   |         |   |      |                          |                                |            |                            |             |                         |
| f. Flow (in units of MGD)   | VALUE 0.12             |              | VALUE                                     |         | VALUE                                     |      | 6                        | MGD                            |            | VALUE                      |             |                         |
| g. Temperature (winter)   | VALUE 9                |              | VALUE                                     |         | VALUE                                     |      | 1                        | °c                             |            | VALUE                      |             |                         |
| h. Temperature (summer)   | VALUE 28               |              | VALUE                                     |         | VALUE                                     |      | 5                        | °c                             |            | VALUE                      |             |                         |
| i. pH   | MINIMUM 8.06           | MAXIMUM 8.28 | MINIMUM                                   | MAXIMUM |   |      | 6                        | STANDARD UNITS                 |            |                            |             |                         |

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

| 1.<br>POLLUTANT<br>AND CAS NO.<br><br>(if available) | 2.<br>MARK "X"            |                          | 3.<br>EFFLUENT         |             |   |             |   |             |                          | 4.<br>UNITS         |            | 6.<br>INTAKE (optional)   |             |                          |
|--|---------------------------|--------------------------|------------------------|-------------|---|-------------|---|-------------|--------------------------|---------------------|------------|---------------------------|-------------|--------------------------|
|  | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a. Maximum Daily Value |             | b. Maximum 30-Day<br>Value (if available) |             | c. Long-Term Avg.<br>Value (if available) |             | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass | a. Long-Term Avg<br>Value |             | b.<br>No. of<br>Analyses |
|  |                           |                          | (1)<br>Concentration   | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass |                          |                     |            | (1)<br>Concentration      | (2)<br>Mass |                          |
|  |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| a. Bromide<br>(24959-67-9)                           |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| b. Bromine<br>Total<br>Residual                      |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| c. Chloride  |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| d. Chlorine,<br>Total<br>Residual                    |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| e. Color   |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| f. Fecal<br>Coliform                                 |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| g. Fluoride<br>(16984-48-8)                          |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| h. Hardness<br>(as CaCO <sub>3</sub> )               |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| i. Nitrate -<br>Nitrite (as N)                       |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| j. Nitrogen,<br>Total<br>Organic<br>(as N)           |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| k. Oil and<br>Grease                                 |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| l. Phosphorous<br>(as P), Total<br>7723-14-0         |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| m.<br>Radioactivity                                  |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| (1) Alpha,<br>Total                                  |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| (2) Beta,<br>Total                                   |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| (3) Radium<br>Total                                  |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |
| (4) Radium,<br>226, Total                            |                           |                          |                        |             |   |             |   |             |                          |                     |            |                           |             |                          |

| Part B - Continued                                   |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
|--|---------------------------|--------------------------|---------------------------|-------------|---|-------------|---|-------------|--------------------------|---------------------|------------|----------------------------|-------------|--------------------------|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available) | 2.<br>MARK "X"            |                          | 3.<br>EFFLUENT            |             |   |             |   |             |                          | 4.<br>UNITS         |            | 5.<br>INTAKE (optional)    |             |                          |
|  | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |             | b. Maximum 30-Day<br>Value (if available) |             | c. Long-Term Avg.<br>Value (if available) |             | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass | a.<br>Long-Term Avg. Value |             | b.<br>No. of<br>Analyses |
|  |                           |                          | (1)<br>Concentration      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass |                          |                     |            | (1)<br>Concentration       | (2)<br>Mass |                          |
| n. Sulfate<br>(as SO <sub>4</sub> )<br>(14808-79-8)  | X                         |                          | 1070                      |             |   |             |   |             | 6                        | mg/L                |            |                            |             |                          |
| o. Sulfide<br>(as S)                                 |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| p. Sulfite<br>(as SO <sub>3</sub> )<br>(14286-46-3)  |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| q. Surfactants                                       |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| r. Aluminum,<br>Total<br>(7429-90)                   |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| s. Barium, Total<br>(7440-39-3)                      |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| t. Boron, Total<br>(7440-42-8)                       |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| u. Cobalt, Total<br>(7440-48-4)                      |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| v. Iron, Total<br>(7439-89-6)                        | X                         |                          | 0.27                      |             |   |             |   |             | 6                        | mg/L                |            |                            |             |                          |
| w. Magnesium<br>Total<br>(7439-96-4)                 |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| x. Molybdenum<br>Total<br>(7439-98-7)                |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| y. Manganese,<br>Total<br>(7439-96-6)                | X                         |                          | 0.23                      |             |   |             |   |             | 6                        | mg/L                |            |                            |             |                          |
| z. Tin, Total<br>(7440-31-5)                         |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |
| aa. Titanium,<br>Total<br>(7440-32-6)                |                           |                          |                           |             |   |             |   |             |                          |                     |            |                            |             |                          |

**Part C –** If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark “X” in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark “X” in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available) | 2.<br>MARK "X"            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          |                     | 4.<br>UNITS |                           | 5.<br>INTAKE (optional) |                          |  |  |
|--|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|-------------|---------------------------|-------------------------|--------------------------|--|--|
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass  | a.<br>Long-Term Avg Value |                         | b.<br>No. of<br>Analyses |  |  |
|  |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |             | (1)                       | (2)                     |                          |  |  |
|  |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |             | Concentration             | Mass                    |                          |  |  |
| METALS, CYANIDE AND TOTAL PHENOLS                    |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |  |
| 1M. Antimony<br>Total<br>(7440-36-0)                 | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 2M. Arsenic,<br>Total<br>(7440-38-2)                 | X                         |                           |                          | <0.05                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 3M. Beryllium<br>Total<br>(7440-41-7)                | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 4M. Cadmium<br>Total<br>(7440-43-9)                  | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 5M. Chromium<br>Total<br>(7440-43-9)                 | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 6M. Copper<br>Total<br>(7550-50-8)                   | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 7M. Lead<br>Total<br>(7439-92-1)                     | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 8M. Mercury<br>Total<br>(7439-97-6)                  | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 9M. Nickel,<br>Total<br>(7440-02-0)                  | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 10M. Selenium,<br>Total<br>(7782-49-2)               | X                         |                           |                          | <0.05                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |
| 11M. Silver,<br>Total<br>(7440-28-0)                 | X                         |                           |                          | <0.01                     |      |   |      |   |      | 1                        | mg/L                |             |                           |                         |                          |  |  |

| Part C – Continued   |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
|--|---------------------------|---------------------------|--------------------------|---------------------------|-------------|---|-------------|---|-------------|--------------------------|---------------------|-------------|---------------------------|-------------------------|--------------------------|--|
| 1.<br>POLLUTANT<br>And CAS NO.<br>(if available)             | 2.<br>MARK "X"            |                           |                          | 3.<br>EFFLUENT            |             |   |             |   |             |                          |                     | 4.<br>UNITS |                           | 5.<br>INTAKE (optional) |                          |  |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |             | b. Maximum 30-Day<br>Value (if available) |             | c. Long-Term Avg.<br>Value (if available) |             | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass  | a.<br>Long-Term Avg Value |                         | b.<br>No. of<br>Analyses |  |
|  |                           |                           |                          | (1)<br>Concentration      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass |                          |                     |             | (1)<br>Concentration      | (2)<br>Mass             |                          |  |
|  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| METALS, CYANIDE AND TOTAL PHENOLS (Continued)                |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 12M. Thallium,<br>Total<br>(7440-28-0)                       | X                         |                           |                          | <0.01                     |             |   |             |   |             | 1                        | mg/L                |             |                           |                         |                          |  |
| 13M. Zinc,<br>Total<br>(7440-66-6)                           | X                         |                           |                          | <0.01                     |             |   |             |   |             | 1                        | mg/L                |             |                           |                         |                          |  |
| 14M. Cyanide,<br>Total<br>(57-12-5)                          |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 15M. Phenols,<br>Total                                       |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| DIOXIN   |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 2,3,7,8 Tetra-<br>chlorodibenzo,<br>P, Dioxin<br>(1784-01-6) |                           |                           |                          | DESCRIBE RESULTS:         |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| GC/MS FRACTION – VOLATILE COMPOUNDS                          |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 1V. Acrolein<br>(107-02-8)                                   |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 2V. Acrylonitrile<br>(107-13-1)                              |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 3V. Benzene<br>(71-43-2)                                     |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 5V. Bromoform<br>(75-25-2)                                   |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 6V. Carbon<br>Tetrachloride<br>(56-23-5)                     |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 7V. Chloro-<br>benzene<br>(108-90-7)                         |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 8V. Chlorodibro-<br>momethane<br>(124-48-1)                  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |

Part C - Continued

| Part C – Continued                                   |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
|--|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|------------|---------------------------|------|--------------------------|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available) | 2.<br>MARK “X”            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          | 4.<br>UNITS         |            | 5.<br>INTAKE (optional)   |      |                          |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass | a.<br>Long-Term Avg Value |      | b.<br>No. of<br>Analyses |
|  |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |            | (1)                       | (2)  |                          |
|  |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |            | Concentration             | Mass |                          |
| 9V. Chloroethane<br>(74-00-3)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 10V. 2-Chloro-<br>ethylvinyl Ether<br>(110-75-8)     |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 11V. Chloroform<br>(67-66-3)                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 12V. Dichloro-<br>bromomethane<br>(75-71-8)          |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 14V. 1,1-<br>Dichloroethane<br>(75-34-3)             |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 15V. 1,2-<br>Dichloroethane<br>(107-06-2)            |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 16V. 1,1-<br>Dichlorethylene<br>(75-35-4)            |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 17V. 1,2-Di-<br>chloropropane<br>(78-87-5)           |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 18V. 1,3-<br>Dichloropro-<br>pylene<br>(452-75-6)    |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 19V. Ethyl-<br>benzene<br>(100-41-4)                 |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 20V. Methyl<br>Bromide<br>(74-83-9)                  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |

Part C – Continued

| Part C – Continued                                     |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
|--|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|------------|----------------------------|------|--------------------------|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available)   | 2.<br>MARK “X”            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          | 4.<br>UNITS         |            | 5.<br>INTAKE (optional)    |      |                          |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass | a.<br>Long-Term Avg. Value |      | b.<br>No. of<br>Analyses |
|  |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |            | (1)                        | (2)  |                          |
|  |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |            | Concentration              | Mass |                          |
| 21V. Methyl<br>Chloride<br>(74-87-3)                   |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 22V. Methylene<br>Chloride<br>(75-00-2)                |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 23V. 1,1,2,2-<br>Tetrachloro-<br>ethane<br>(79-34-5)   |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 24V.<br>Tetrachloro-<br>ethylene<br>(127-18-4)         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 25V. Toluene<br>(108-88-3)                             |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 26V. 1,2-Trans-<br>Dichloro-<br>ethylene<br>(156-60-5) |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 27V. 1,1,1-Tri-<br>chloroethane<br>(71-55-6)           |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 28V. 1,1,2-Tri-<br>chloroethane<br>(79-00-5)           |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 29V. Trichloro-<br>ethylene<br>(79-01-6)               |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 30V. Vinyl<br>Chloride<br>(75-01-4)                    |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |

| Part C - Continued                               |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
|--|---------------------------|---------------------------|--------------------------|---------------------------|-------------|---|-------------|---|-------------|--------------------------|---------------------|-------------|---------------------------|-------------------------|--------------------------|--|
| 1.<br>POLLUTANT<br>And CAS NO.<br>(if available) | 2.<br>MARK "X"            |                           |                          | 3.<br>EFFLUENT            |             |   |             |   |             |                          |                     | 4.<br>UNITS |                           | 5.<br>INTAKE (optional) |                          |  |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |             | b. Maximum 30-Day<br>Value (if available) |             | c. Long-Term Avg.<br>Value (if available) |             | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass  | a.<br>Long-Term Avg Value |                         | b.<br>No. of<br>Analyses |  |
|  |                           |                           |                          | (1)<br>Concentration      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass |                          |                     |             | (1)<br>Concentration      | (2)<br>Mass             |                          |  |
|  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| GC/MS FRACTION - ACID COMPOUNDS                  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 1A. 2-Chloro-phenol<br>(95-57-8)                 |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 2A. 2,4-Dichloro-phenol<br>(120-83-2)            |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 3A. 2,4-Dimethylphenol<br>(105-67-9)             |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 4A. 4,6-Dinitro-o-cresol<br>(534-52-1)           |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 5A. 2,4-Dinitro-phenol<br>(51-28-5)              |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 6A. 2-Nitro-phenol<br>(88-75-5)                  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 7A. 4-Nitro-phenol<br>(100-02-7)                 |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 8A. P-chloro-m-cresol<br>(59-50-7)               |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 9A. Pentachloro-phenol<br>(87-88-5)              |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 10A. Phenol<br>(108-05-2)                        |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 11A. 2,4,6-Trichlorophenol<br>(88-06-2)          |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS          |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |
| 1B. Acenaphthene<br>(83-32-9)                    |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                           |                         |                          |  |

| Part C – Continued  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
|---|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|-------------|---------------------------|-------------------------|--------------------------|--|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available)        | 2.<br>MARK “X”            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          |                     | 4.<br>UNITS |                           | 5.<br>INTAKE (optional) |                          |  |
|   | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass  | a.<br>Long-Term Avg Value |                         | b.<br>No. of<br>Analyses |  |
|   |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |             | (1)                       | (2)                     |                          |  |
|   |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |             | Concentration             | Mass                    |                          |  |
| GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 2B. Acena-<br>phtylene<br>(208-96-8)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 3B. Anthra-<br>cene<br>(120-12-7)                           |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 4B. Benzidine<br>(92-87-5)                                  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 5B. Benzo(a)-<br>anthracene<br>(56-55-3)                    |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 6B. Benzo(a)-<br>pyrene<br>(50-32-8)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 7B. 3,4-Benzo-<br>fluoranthene<br>(205-99-2)                |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 8B. Benzo(ghi)<br>perylene<br>(191-24-2)                    |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 9B. Benzo(k)-<br>fluoranthene<br>(207-08-9)                 |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 10B. Bis(2-<br>chlor-<br>oethoxy)-<br>methane<br>(111-91-1) |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 11B. Bis<br>(2-chlor-<br>oisopropyl)-<br>Ether              |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 12B. Bis<br>(2-ethyl-<br>hexyl)-<br>phthalate<br>(117-81-7) |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |

| Part C – Continued                                   |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
|--|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|-------------|---------------------------|-------------------------|--------------------------|--|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available) | 2.<br>MARK “X”            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          |                     | 4.<br>UNITS |                           | 5.<br>INTAKE (optional) |                          |  |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass  | a.<br>Long-Term Avg Value |                         | b.<br>No. of<br>Analyses |  |
|  |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |             | (1)                       | (2)                     |                          |  |
|  |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |             | Concentration             | Mass                    |                          |  |
| GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 13B. 4-Bromo-phenyl<br>Phenyl ether<br>(101-55-3)    |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 14B. Butyl-benzyl<br>phthalate<br>(85-68-7)          |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 15B. 2-Chloro-naphthalene<br>(7005-72-3)             |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 16B. 4-Chloro-phenyl<br>phenyl ether<br>(7005-72-3)  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 17B. Chrysene<br>(218-01-9)                          |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 18B. Dibenzo-(a,h)<br>Anthracene<br>(53-70-3)        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 19B. 1,2-Dichloro-benzene<br>(95-50-1)               |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 20B. 1,3-Dichloro-Benzene<br>(541-73-1)              |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 21B. 1,4-Dichloro-benzene<br>(106-46-7)              |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 22B. 3,3-Dichloro-benzidene<br>(91-94-1)             |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |
| 23B. Diethyl Phthalate<br>(84-66-2)                  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |             |                           |                         |                          |  |

| Part C – Continued  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
|---|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|------------|----------------------------|------|--------------------------|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available)                  | 2.<br>MARK “X”            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          | 4.<br>UNITS         |            | 5.<br>INTAKE (optional)    |      |                          |
|   | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass | a.<br>Long-Term Avg. Value |      | b.<br>No. of<br>Analyses |
|   |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |            | (1)                        | (2)  |                          |
|   |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |            | Concentration              | Mass |                          |
| GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)                   |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 24B. Dimethyl<br>Phthalate<br>(131-11-3)                              |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 25B. Di-N-<br>butyl Phthalate<br>(84-74-2)                            |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 26B.<br>2,4-Dinitro-<br>toluene<br>(121-14-2)                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 27B.<br>2,6-Dinitro-<br>toluene<br>(606-20-2)                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 28B. Di-n-octyl<br>Phthalate<br>(117-84-0)                            |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 29B. 1,2-<br>diphenyl-<br>hydrazine (as<br>azonbenzene)<br>(122-66-7) |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 30B.<br>Fluoranthene<br>(208-44-0)                                    |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 31B. Fluorene<br>(86-73-7)  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 32B.<br>Hexachloro-<br>benzene<br>(118-71-1)                          |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 33B.<br>Hexachloro-<br>butadiene<br>(87-68-3)                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |
| 34B.<br>Hexachloro-<br>cyclopenta-<br>diene<br>(77-47-4)              |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                            |      |                          |

| Part C – Continued                                   |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
|--|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|------------|---------------------------|------|--------------------------|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available) | 2.<br>MARK "X"            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          | 4.<br>UNITS         |            | 5.<br>INTAKE (optional)   |      |                          |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass | a.<br>Long-Term Avg Value |      | b.<br>No. of<br>Analyses |
|  |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |            | (1)                       | (2)  |                          |
|  |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |            | Concentration             | Mass |                          |
| GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 35B. Hexachloroethane<br>(67-72-1)                   |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 36B. Indneo-(1,2,3-oc)-Pyrene<br>(193-39-5)          |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 37B. Isophorone<br>(78-59-1)                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 38B. Napthalene<br>(91-20-3)                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 39B. Nitrobenzene<br>(98-95-3)                       |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 40B. N-Nitrosodimethylamine<br>(62-75-9)             |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 41B. N-nitrosodi-n-propylamine<br>(621-64-7)         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 42B. N-nitrosodiphenylamine<br>(86-30-6)             |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 43B. Phenanthrene<br>(85-01-8)                       |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 44B. Pyrene<br>(129-00-0)                            |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 45B. 1,2,4 Trichlorobenzene<br>(120-82-1)            |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |

| Part C – Continued                                   |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
|--|---------------------------|---------------------------|--------------------------|---------------------------|-------------|---|-------------|---|-------------|--------------------------|---------------------|-------------|----------------------------|-------------------------|--------------------------|--|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available) | 2.<br>MARK "X"            |                           |                          | 3.<br>EFFLUENT            |             |   |             |   |             |                          |                     | 4.<br>UNITS |                            | 5.<br>INTAKE (optional) |                          |  |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |             | b. Maximum 30-Day<br>Value (if available) |             | c. Long-Term Avg.<br>Value (if available) |             | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass  | a.<br>Long-Term Avg. Value |                         | b.<br>No. of<br>Analyses |  |
|  |                           |                           |                          | (1)<br>Concentration      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass | (1)<br>Concentration                      | (2)<br>Mass |                          |                     |             | (1)<br>Concentration       | (2)<br>Mass             |                          |  |
|  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| GC/MS FRACTION – PESTICIDES                          |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 1P. Aldrin<br>(309-00-2)                             |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 2P. α-BHC<br>(319-84-6)                              |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 3P. β-BHC<br>(58-89-9)                               |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 4P. gamma-BHC<br>(58-89-9)                           |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 5P. δ-BHC<br>(319-86-8)                              |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 6P. Chlordane<br>(57-74-9)                           |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 7P. 4,4'-DDT<br>(50-29-3)                            |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 8P. 4,4'-DDE<br>(72-55-9)                            |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 9P. 4,4'-DDD<br>(72-54-8)                            |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 10P. Dieldrin<br>(60-57-1)                           |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 11P. α-<br>Endosulfan<br>(115-29-7)                  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 12P. β-<br>Endosulfan<br>(115-29-7)                  |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 13P. Endosulfan<br>Sulfate<br>(1031-07-8)            |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |
| 14P. Endrin<br>(72-20-8)                             |                           |                           |                          |                           |             |   |             |   |             |                          |                     |             |                            |                         |                          |  |

| Part C -- Continued                                  |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
|--|---------------------------|---------------------------|--------------------------|---------------------------|------|---|------|---|------|--------------------------|---------------------|------------|---------------------------|------|--------------------------|
| 1.<br>POLLUTANT<br>And CAS NO.<br><br>(if available) | 2.<br>MARK "X"            |                           |                          | 3.<br>EFFLUENT            |      |   |      |   |      |                          | 4.<br>UNITS         |            | 5.<br>INTAKE (optional)   |      |                          |
|  | a.<br>Testing<br>Required | a.<br>Believed<br>Present | b.<br>Believed<br>Absent | a.<br>Maximum Daily Value |      | b. Maximum 30-Day<br>Value (if available) |      | c. Long-Term Avg.<br>Value (if available) |      | d.<br>No. of<br>Analyses | a.<br>Concentration | b.<br>Mass | a.<br>Long-Term Avg Value |      | b.<br>No. of<br>Analyses |
|  |                           |                           |                          | (1)                       | (2)  | (1)                                       | (2)  | (1)                                       | (2)  |                          |                     |            | (1)                       | (2)  |                          |
|  |                           |                           |                          | Concentration             | Mass | Concentration                             | Mass | Concentration                             | Mass |                          |                     |            | Concentration             | Mass |                          |
| GC/MS FRACTION -- PESTICIDES                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 15P. Endrin<br>Aldehyde<br>(7421-93-4)               |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 16P. Heptachlor<br>(76-44-8)                         |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 17P. Heptachlor<br>Epoxide<br>(1024-57-3)            |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 18P. PCB-1242<br>(53469-21-9)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 19P. PCB-1254<br>(11097-69-1)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 20P. PCB-1221<br>(11104-28-2)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 21P. PCB-1232<br>(11141-16-5)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 22P. PCB-1248<br>(12672-29-6)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 23P. PCB-1260<br>(11096-82-5)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 24P. PCB-1016<br>(12674-11-2)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |
| 25P. Toxaphene<br>(8001-35-2)                        |                           |                           |                          |                           |      |   |      |   |      |                          |                     |            |                           |      |                          |



ERNIE FLETCHER  
GOVERNOR

**ENVIRONMENTAL AND PUBLIC PROTECTION CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
14 REILLY ROAD  
FRANKFORT, KENTUCKY 40601-1190  
[www.kentucky.gov](http://www.kentucky.gov)

TERESA J. HILL  
SECRETARY

October 18, 2007

Mr. Paul Horn, P.O.A.  
Czar Coal Corporation  
HC 66, Box 91  
Debord, State 41214

Re: KPDES Application Complete  
KPDES No.: KY0040495  
Czar Coal Corporation  
AI ID: 2973  
Activity ID: APE20070001  
Martin County, Kentucky

Dear Mr. Horn,

Your revised Kentucky Pollutant Discharge Elimination System (KPDES) permit application for the above-referenced facility was received by the Division of Water on August 24, 2007. A completeness review of your permit application has been conducted. Please be aware that you may be asked to provide additional information to clarify, modify, or supplement your application material. In accordance with 401 KAR 5:075, Section 1(7) you are being provided written notification that your application has been deemed complete as of the date of this letter.

If you have any questions concerning this matter, please call me at (502) 564-8158, extension 590.

Sincerely,

**Sara Beard**  
Environmental Engineer Assistant III  
KPDES Branch  
Division of Water

SJB  
Enclosures

c: Misty Hamilton – Summit Engineering, Inc.  
131 Summit Drive  
Pikeville, KY 41501  
Hazard Regional Office  
Division of Water Files

August 2007

KPDES APPLICATION  
FOR INDIVIDUAL PERMIT COVERAGE  
Modification of Permit No. KY0040495  
KDMRE Permit No. 880-8002 AM #4

Czar Coal Corporation

*Prepared for:*

**Czar Coal Corporation**  
HC 64, Box 915  
Debord, KY 41214

*Prepared by:*

**Summit Engineering, Inc.**  
131 Summit Drive  
Pikeville, KY 41501  
Telephone: (606) 432-1447



**SUMMIT ENGINEERING, INC.**

August 21, 2007

Erin Wright  
Inventory & Data Management Section  
KPDES Branch  
Division of Water  
14 Reilly Road  
Frankfort, Kentucky 40601

RE: Czar Coal Corporation  
Proposed Modification of KY0040495  
DMRE Permit No. 880-8002 Am. #4

Dear Erin:

Please find enclosed copy of a completed Form 1 and Form C submitted for the above-referenced surface mine to be located in Martin and Johnson Counties. Czar Coal Corporation seeks approval of a modification to their existing Individual Permit No. KY0040495 for their proposed mining activities.

According to Larry Sowder, there will be no application filing fee for this permit action.

If you have any questions or require additional information, please call me at (606) 432-1447 ext. 309 or e-mail me at [mhamilton@summit-engr.com](mailto:mhamilton@summit-engr.com).

Regards,

*Misty D. Hamilton by J.R.*

Misty D. Hamilton  
Environmental Project Manager

c: file

enclosure